

ABSTRACT OF THE DISCLOSURE

There is provided a vibrator 10 which is integrally coupled to a rotating shaft 12 of a motor. A groove portion 13 in which the rotating shaft 12 is fitted is formed in an eccentric load portion 11, and side walls 14 bulging from the eccentric load portion 11 and forming both side edge portions of the groove portion 13 are formed. A portion 14c of a tip portion end surface 14a of the side wall 14 except an outer peripheral portion 14b of the side wall 14 and at a side of the groove portion is caulked from an opening side of the groove portion to a bottom side, so that the vibrator 10 is integrally coupled to the rotating shaft.